



MEMORANDUM

Missouri Department of Transportation

DATE: February 5, 2014

TO: Central Office Design
Jason Vanderfeltz

FROM: Laurie Travis
Intermediate Highway Designer

SUBJECT: Central District - Design
Route B, Boone County
Bridge #A8165 to replace Br#A0087 at Rte. B and Business Loop 70
Job No. J5S2186
Letting Date: 5/23/14
Request for use of a Proprietary Item

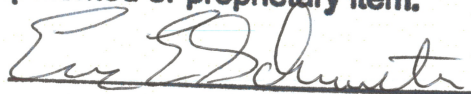
For this project we have a limited area to place guardrail to protect the bridge ends and some unique geometry. There is only enough room for the bridge anchor section, transition section and a 37.5' length crashworthy end terminal on the northwest bridge end between the bridge and the on ramp. There is also a curve in this location, because of the curve the 37.5' long flared crashworthy end won't work, because it flares away from the curve.

The Barrier Systems product "X-Tension" a unique item for which no equally suitable alternative exists. This is the only product that will work for this location since it has the 37.5' length needed and a straight installation, an added benefit of this product is a redirective non-gating system (it redirects at the 1st post others redirect at the 3rd post).

We request approval for use of this proprietary item on this project.

If you have any question you may contact me at (573) 522-5263.

I do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), no equally suitable alternate exists for this patented or proprietary item.


State Design Engineer

2/6/14